

against the loss of information due to equipment malfunctions or human error. Duplicate copies of permanent or unscheduled records shall be maintained in storage areas separate from the location of the records that have been copied.

(g) *Maintenance of magnetic computer tape.* (1) Agencies shall test magnetic computer tapes no more than 6 months prior to using them to store electronic records that are unscheduled or scheduled for permanent retention. This test should verify that the tape is free of permanent errors and in compliance with National Institute of Standards and Technology or industry standards.

(2) Agencies shall maintain the storage and test areas for computer magnetic tapes containing permanent and unscheduled records at the following temperatures and relative humidities:

Constant temperature—62 to 68 °F.

Constant relative humidity—35% to 45%

(3) Agencies shall annually read a statistical sample of all reels of magnetic computer tape containing permanent and unscheduled records to identify any loss of data and to discover and correct the causes of data loss. In tape libraries with 1800 or fewer reels, a 20% sample or a sample size of 50 reels, whichever is larger, should be read. In tape libraries with more than 1800 reels, a sample of 384 reels should be read. Tapes with 10 or more errors should be replaced and, when possible, lost data shall be restored. All other tapes which might have been affected by the same cause (i.e., poor quality tape, high usage, poor environment, improper handling) shall be read and corrected as appropriate.

(4) Agencies shall copy permanent or unscheduled data on magnetic tapes before the tapes are 10 years old onto tested and verified new tapes.

(5) External labels (or the equivalent automated tape management system) for magnetic tapes used to store permanent or unscheduled electronic records shall provide unique identification for each reel, including the name of the organizational unit responsible for the data, system title, and security classification, if applicable. Additionally, the following information shall be maintained for (but not necessarily at-

tached to) each reel used to store permanent or unscheduled electronic records: file title(s); dates of creation; dates of coverage; the recording density; type of internal labels; volume serial number, if applicable; number of tracks; character code/software dependency; information about block size; and reel sequence number, if the file is part of a multi-reel set. For numeric data files, include record format and logical record length, if applicable; data set name(s) and sequence, if applicable; and number of records for each data set.

(6) Agencies shall prohibit smoking and eating in magnetic computer tape storage libraries and test or evaluation areas that contain permanent or unscheduled records.

(h) *Maintenance of direct access storage media.* (1) Agencies shall issue written procedures for the care and handling of direct access storage media which draw upon the recommendations of the manufacturers.

(2) External labels for diskettes or removable disks used when processing or temporarily storing permanent or unscheduled records shall include the following information: name of the organizational unit responsible for the records, descriptive title of the contents, dates of creation, security classification, if applicable, and identification of the software and hardware used.

[55 FR 19218, May 8, 1990. Redesignated at 60 FR 44641, Aug. 28, 1995; 62 FR 54585, Oct. 21, 1997; 65 FR 24132, Apr. 25, 2000; 66 FR 27028, May 16, 2001]

§ 1234.32 Retention and disposition of electronic records.

Agencies shall establish policies and procedures to ensure that electronic records and their documentation are retained as long as needed by the Government. These retention procedures shall include provisions for:

(a) Scheduling the disposition of all electronic records, as well as related documentation and indexes, by applying General Records Schedules (particularly GRS 20 or GRS 23) as appropriate or submitting an SF 115, Request for Records Disposition Authority, to NARA (see part 1228 of this chapter). The information in electronic information systems, including those

operated for the Government by a contractor, shall be scheduled as soon as possible but no later than one year after implementation of the system.

(b) Transferring a copy of the electronic records and any related documentation and indexes to the National Archives at the time specified in the records disposition schedule in accordance with instructions found in § 1228.270 of this chapter. Transfer may take place at an earlier date if convenient for both the agency and the National Archives and Records Administration.

(c) Establishing procedures for regular recopying, reformatting, and other necessary maintenance to ensure the retention and usability of electronic records throughout their authorized life cycle (see § 1234.28).

(d) Electronic mail records may not be deleted or otherwise disposed of without prior disposition authority from NARA (44 U.S.C. 3303a). This applies to the original version of the record that is sent or received on the electronic mail system and any copies that have been transferred to a recordkeeping system. See 36 CFR part 1228 for records disposition requirements.

(1) *Disposition of records on the electronic mail system.* When an agency has taken the necessary steps to retain the record in a recordkeeping system, the identical version that remains on the user's screen or in the user's mailbox has no continuing value. Therefore, NARA has authorized deletion of the version of the record on the electronic mail system under General Records Schedule 20, Item 14, after the record has been preserved in a recordkeeping system along with all appropriate transmission data.

(2) *Records in recordkeeping systems.* The disposition of electronic mail records that have been transferred to an appropriate recordkeeping system is governed by the records schedule or schedules that control the records in that system. If the records in the system are not scheduled, the agency shall follow the procedures at 36 CFR part 1228.

[55 FR 19218, May 8, 1990. Redesignated and amended at 60 FR 44641, 44642, Aug. 28, 1995; 66 FR 27028, May 16, 2001]

§ 1234.34 Destruction of electronic records.

Electronic records may be destroyed only in accordance with a records disposition schedule approved by the Archivist of the United States, including General Records Schedules. At a minimum each agency shall ensure that:

(a) Electronic records scheduled for destruction are disposed of in a manner that ensures protection of any sensitive, proprietary, or national security information.

(b) Magnetic recording media previously used for electronic records containing sensitive, proprietary, or national security information are not reused if the previously recorded information can be compromised by reuse in any way.

(c) Agencies shall establish and implement procedures that specifically address the destruction of electronic records generated by individuals employing electronic mail.

[55 FR 19218, May 8, 1990. Redesignated and amended at 60 FR 44641, 44642, Aug. 28, 1995]

PART 1236—MANAGEMENT OF VITAL RECORDS

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Subpart A—General

§ 1236.10 Purpose.

This part prescribes policies and procedures for establishing a program for the identification and protection of vital records, those records needed by agencies for continuity of operations